

For harsh environments

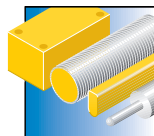


The rugged magnetic field sensors are particularly suited for harsh environments. With the extended range of accessories the sensors can be mounted on nearly all standard pneumatic cylinders. All standard connection types are available.

Features

- Rugged designs
- Many different mounting options
- Optional weld field immunity
- Excellent EMC properties

Properties



Designs

Standard design, for harsh environments



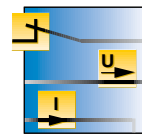
Measuring ranges

Reliable position detection on all standard pneumatic cylinders

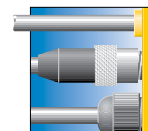


Materials

Rugged PA12-GF30 resp. GD-ZN housing for a wide range of applications



Electrical versions
NAMUR, 2/3-wire DC



Electrical connections
Cable, male M8 x 1 and M12 x 1



Internet link
Scan the QR code to access our products on the internet

NST





General data

Protection class	IP67	Housing material	PA12-GF30
Ambient temperature	-25...+70 °C	Dimensions	17 x 14 x 28 mm

S34: weld-resistant, for use in 50-Hz welding systems

Types and data – selection table

Type	Connection	Operating voltage	Output		
BIM-NST-Y1X	2 m cable	8.2 VDC	NAMUR	w080	d450
BIM-NST-Y1X-H1141	male, M12 x 1	8.2 VDC	NAMUR	w081	d451
BIM-NST-AP6X	2 m cable	10...30 VDC	—, PNP	w079	d450
BIM-NST-AP6X-V1131	male, M8 x 1	10...30 VDC	—, PNP	w064	d452
BIM-NST-AP6X-H1141	male, M12 x 1	10...30 VDC	—, PNP	w064	d451
BIM-NST-AP6X-H1141/S34	male, M12 x 1	10...30 VDC	—, PNP	w064	d453

Many different types available, also as NPN version, see type code



IKT



General data

Protection class	IP67	Housing material	GD-Zn
Ambient temperature	-25...+70 °C		

Types and data – selection table

Type	Connection	Operating voltage	Output	Dimensions		
BIM-IKT-Y1X	2 m cable	8.2 VDC	NAMUR	14.6 x 17 x 30 mm	w080	d454
BIM-IKT-Y1X-H1141	male, M12 x 1	8.2 VDC	NAMUR	14.6 x 28 x 30 mm	w081	d455
BIM-IKT-AP6X	2 m cable	10...30 VDC	—, PNP	14.6 x 17 x 30 mm	w079	d454
BIM-IKT-AP6X-V1131	male, M8 x 1	10...30 VDC	—, PNP	14.6 x 17 x 30 mm	w064	d456
BIM-IKT-AP6X-H1141	male, M12 x 1	10...30 VDC	—, PNP	14.6 x 28 x 30 mm	w064	d455

Many different types available, also as NPN version, see type code